Product Component

Draft: 4-14-04

DEFINITION			
Name	ESRI ArcView 3.X		
Description	A desktop based GIS software that can perform mapping, data management, geographic analysis, data editing, and geoprocessing. ArcView 3.x has been replaced by the ArcGIS software product line, but is still sold and supported by ESRI.		
Rationale	• ESRI is a de facto state standard for GIS software (157 cities, 107 counties, 58 regional agencies, and most state agencies). • ESRI is the only GIS company on state contract. • Currently operating successfully within state infrastructure. • Industry leader in Geographic Information Systems. • Linkage with educational institutions producing the personnel in this field.		
Benefits	• Extensively used across state government and the public. • Large amount of resources and expertise already invested in it. • Allows for the development of applications and database components that can be more easily shared across and between systems. • Allows for combined training costs. • Allows for increased purchasing and negotiation power with the vendor for training, software, and services. • Provides guidance and direction to local government in evaluating the utility of this software to their situation. • Coordination of statewide data development protocols.		
ASSOCIATED ARCHITECTURE LEVELS			
Specify the Domain Name	Information		
Specify the Discipline Name	Geographic Information Technology		
Specify the name of the associated Technology Area	Geographic Information Systems		
KEYWORDS			
List Keywords	Geographic Information System (GIS), desktop, software, mapping, Environmental Systems Research Institute (ESRI), ArcInfo, ArcView, geocode		
VENDOR INFORMATION			
Vendor Name	ESRI	*Website*	http://www.esri.com/
Contact Information	Available through the State Prime Vendor Contract Currently awarded to World Wide Technology For questions or more information call ESRI Missouri Branch Office: (636) 949-6620		
POTENTIAL COMPLIANCE SOURCES			
Name	OpenGIS Consortium	*Website*	www.opengis.org

Contact Information			
Name		*Website*	
Contact Information			
COMPONENT REVIEW			
List Desirable aspects	**Data manipulation** – Allows integration of some different formats and data models; Allows for connection to popular DBMS; Fairly robust import/export functionality. **Analysis** – Geoprocessing tools are adequate; Analysis functionality in buffering, selection, query, etc.; Allows for image integration; Good geocoding functions; Geostatistical analysis functions are acquired via extra extensions. **Extensions** – Very robust set of extensions covering many application areas of geospatial processing and analysis (i.e. hydrological, grid, network, COGO, etc.). **Cartography** – Basic map output functionality; Can create a functional map through the interface but to create a really good map you need to thoroughly understand the depth of the interface; Thematic data classification and histogram development is good; Basic map elements (legend, key, north arrow, etc.) is good; supports multiple layouts. **Topology** - NA **Customization** – Allows for customization and development of extensions, etc. within the software; Can be used as an deployable solution; Interoperable components can be leveraged on data or DBMS side; Can selectively develop GUI based on class of user and application needs. **Training / Education** – Have developed a large number of classes; Has a wide variety of training media options (web, classroom, on-site); ESRI certified trainer program; State GIS Conference and MAGIC Symposium provide opportunities for education and training. **User Support** – Extensive on-line knowledge base available; Large number of user groups in the state; Large in-state peer-to-peer forum.		

List Undesirable aspects	**Data manipulation** – CADD formats can be viewed but are not handled as well; External database connection requires either purchase or export to supported database formats. Interface for projection manipulation is complex and requires substantial knowledge base to implement. **Analysis** – Complex buffering and other overlay analysis are not as robust in this environment as they are in ArcGIS; Report generation is difficult; Difficult to modify tables (their formats and definitions); Chart development is not very robust; More of the complex analysis requires extensions to be purchased. **Extensions** – Extra cost associated with each extension desired; Training availability on any specific extensions is lacking or not available. **Cartography** – Limited functionality in this environment as compared to ArcGIS; Limited map design capabilities; Automatic labeling is adequate; Overposting sequencing does not provide consistent results; Map templates are not robust; Not WYSIWYG; Style sheet portability needs work; For maps with large file sizes you need to purchase additional software (i.e. ArcPress) to create the hardcopy maps. **Topology** – Does not support the creation of data with topological relationships; Can view data built with topology and utilize it in extensions and analysis. **Customization** – Use of propriety programming language (Avenue) base for development limits knowledge base; Does not port well to ArcGIS; With training it is customizable. **Training / Education** – Cost, location, and availability is many times prohibitive to participation; Limited opportunities. **User Support** – ESRI tech support varies to individual contacted; incomplete help function.		
Operating System	Windows 98/98SE, Me, NT 4.0, 2000, XP	*Platform*	PC-Intel Several UNIX platforms Sun (Solaris), HP (HP-UX), IBM (AIX), SGI (IRIX), Compaq (True64Unix), (**NOTE:** The UNIX releases do not provide the same functionality as the Windows 98/Me, NT 4.0, 2000, and XP releases.)
ASSOCIATED COMPLIANCE COMPONENTS			
Product			
List the Product-specific Compliance Component Names			
Configuration Links			
List the Configuration-specific Compliance Component Names			
COMPONENT CLASSIFICATION			
Provide the Classification	☐ *Emerging* ☐ *Current* ☒ *Twilight* ☐ *Sunset*		
Sunset Date			

COMPONENT SUB-CLASSIFICATION

Sub-Classification	Date	Additional Sub-Classification Information
☐ *Technology Watch*		
☐ *Variance*		
☐ *Conditional Use*		

RATIONALE FOR COMPONENT CLASSIFICATION

Document the Rationale for Component Classification	Most state agencies have migrated away from ArcView 3.x or are in the process of doing so. ESRI has been silent on continuing the line and is focusing on the ArcGIS product suite. Only ArcView versions 3.2a and 3.3 are still supported by ESRI. Product is twilight and not sunset because of the large user base using the software and many customers still require data to be delivered in ArcView formats.

MIGRATION STRATEGY

Document the Migration Strategy	Current contract under development will allow for migration from this environment into the current ArcGIS environment as far as licensing and maintenance agreements. Data created within ArcView 3.x is compatible with ArcGIS although it remains without topology.

IMPACT POSITION STATEMENT

Document the Position Statement on Impact	Product is twilight and not sunset because of the large user base using the software and many customers still require data to be delivered in ArcView formats.

AGENCIES

List the Agencies Currently Utilizing this Product	Department of Economic Development, Department of Conservation, State Emergency Management Agency, Department of Transportation, Department of Health and Senior Services, Department of Natural Resources

CURRENT STATUS

Provide the Current Status	☐ *In Development* ☐ *Under Review* ☒ *Approved* ☐ *Rejected*

AUDIT TRAIL

Creation Date	03/31/2004	*Date Approved / Rejected*	06/08/04
Reason for Rejection			
Last Date Reviewed		*Last Date Updated*	
Reason for Update			